

## Message Text

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ACTION EUR-12

INFO OCT-01 ISO-00 EURE-00 OC-05 CCO-00 EB-07 COME-00

OTPE-00 CIAE-00 PM-03 INR-07 L-02 ACDA-05 NSAE-00

PA-01 RSC-01 PRS-01 SP-02 USIA-06 TRSE-00 SAJ-01

BIB-01 /055 W

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P R 281510Z JAN 75

FM USMISSION NATO

TO SECSTATE WASHDC PRIORITY 9774

SECDEF WASHDC PRIORITY

INFO JCS WASHDC

DCA WASHDC

C O N F I D E N T I A L SECTION 1 OF 2 USNATO 0439

E.O. 11652: GDS

TAGS: ETEL, MARR, NATO

SUBJ: DEFINITION OF THE NICS

NICSMA-D/12 (REVISED)

SUMMARY: DG NICSMA MADE LIMITED DISTRIBUTION OF REF, WHICH IS PROPOSED NEW DEFINITION OF NICS. SUBSTANTIVE PARAGRAPHS ARE QUOTED HEREIN. JOINT C-E WORKING GROUP WILL CONSIDER DOCUMENT AT MEETING ON 31 JANUARY. MISSION RECOMMENDS TIGHTENING WORDING TO MINIMIZE COMMUNICATIONS FACILITIES EXCLUDED FROM NICS. REQUEST GUIDANCE BEFORE 31 JANUARY. END SUMMARY.

1. DG NICSMA MADE LIMITED DISTRIBUTION OF REF ON JAN 20, 1975. COVER NOTE STATES THAT DOCUMENT WAS COORDINATED WITH MAJOR NATO COMMANDERS AND THEREFORE REPRESENTS JOINT POSITION. MISSION WILL SEND COPIES TO WASHINGTON WHEN RECEIVED FROM NICSMA THIS WEEK.

2. SUBSTANTIVE PARAGRAPHS OF REF ARE QUOTED BELOW.

BEGIN QUOTE:  
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INCLUDED FACILITIES

6. THE NICS WILL INCLUDE SUCH FACILITIES AS: -

- (A) STATIC CIRCUIT SWITCHING CENTERS (NODES);
- (B) ACTIVE AND STAND-BY TRANSPORTABLE SWITCHING CENTRES;
- (C) ACCESS SWITCHES;
- (D) SATELLITE SPACE SEGMENT/STATIC SATELLITE GROUND  
TERMINALS, TRANSPORTABLE SATELLITE GROUND TERMINALS;
- (E) STATIC MESSAGE SWITCHES (TARE/MDCS);
- (F) INTEGRATION/INTERFACE FACILITIES;
- (G) NICS NETWORK CONTROL EQUIPMENTS;
- (H) CRYPTOGRAPHIC EQUIPMENT USED IN FACILITIES QUOTED IN  
(A) THROUGH (G) ABOVE.

7. NATO COMMONLY-FUNDED SYSTEMS, COMMERCIALY LEASED MEDIA,

OR NATIONALLY-OWNED MEDIA MAY BE USED WHERE APPROPRIATE TO PROVIDE THE TRANSMISSION MEDIA FOR THE NICS. ASSOCIATED EQUIPMENT, E.G. FOR MULTIPLEXING, SINGNALLING, MODULATING OR DEMODULATING PURPOSES MAY BE INCLUDED WITH SUCH MEDIA. THE PARTICULAR MEDIA WITHIN THE SCOPE OF THE NICS WILL INCLUDE: -

- (A) NATO COMMON FUNDED SYSTEMS SUCH AS ACE HIGH, SATCOM  
(SPACE AND GROUND ELEMENTS), AND CIP 67;
- (B) NATO LEASED COMMERCIAL FACILITIES REQUIRED TO SATISFY  
NICS CONNECTIVITY REQUIREMENTS;
- (C) NATIONALLY-OWNED FACILITIES MADE AVAILABLE FOR NATO  
USE, OR WHICH ARE PROVIDED TO NICS ON A "QUID PRO  
QUO" BASIS. SUCH MEDIA WILL BE CONSIDERED INTEGRAL  
TO THE NICS IN ACCORDANCE WITH POLICIES ESTABLISHED  
BY THE NICSO POLICY COMMITTEE.

EXCLUDED FACILITIES

8. ITEMS NORMALLY EXCLUDED FROM THE NICS, EXCEPT WHERE AGREED ON A CASE-BY-CASE BASIS BETWEEN NICSMA AND THE MAJOR USERS, ARE: -

- (A) TERMINAL EQUIPMENT SERVING USERS INCLUDING: -

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- (I) VOICE EQUIPMENT SUCH AS PABXS, TELEPHONE SETS,  
KEYBOARDS OF ALL KINDS (AUTOMATIC, SEMI-  
AUTOMATIC, MANUAL);
- (II) DATA EQUIPMENT SUCH AS TELEPRINTERS, MESSAGE  
PREPARATION EQUIPMENT, INTERNAL MESSAGE  
DISTRIBUTION EQUIPMENT AND FACSIMILE EQUIPMENT;
- (III) CRYPTOGRAPHIC EQUIPMENT AND ASSOCIATED  
FACILITIES;
- (B) MOBILE SATELLITE TERMINALS, I.E. SHIPBORNE AND  
AIRBORNE;
- (C) ORGANIC TRANSMISSION FACILITIES ASSOCIATED WITH  
AND/OR REQUIRED FOR THE OPERATION OF XMOBILE WAR

HEADQUARTERS;

- (D) DEDICATED COMMUNICATIONS NETWORKS FORMING AN INTEGRAL COMPONENT OF A WEAPONS SYSTEM SUCH AS NIKE, HAWK, PERSHING, ETC.;
- (E) KEYING AND TRANSFER FACILITIES;
- (F) MARITIME COMMAND AND CONTROL FACILITIES INCLUDING BROADCAST, SHIP-SHORE, AIR-GROUND-AIR, MARO/MATELO, PLOTTING CIRCUITS AND INTERSHIP SYSTEMS;
- (G) HF RADIO FACILITIES.

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9. THE PRECEDING FACILITIES/SYSTEMS, MUST BE DESIGNED, WHERE APPROPRIATE, TO BE INTEROPERABLE WITH THE NICS. NICSMA AND THE CENTRAL OPERATING AUTHORITY WILL EXERCISE CO-ORDINATING ROLES WITH REGARD TO THE NECESSARY DEGREE OF COMPATIBILITY/INTER-OPERABILITY WITH THE NICS. THE EXTENT OF THESE ROLES WILL BE CONSISTENT WITH THE AUTHORITY OF THE DIRECTOR GENERAL NICSMA AND THE CONTROLLER COA AS DEFINED.

10. AS THE IMPLEMENTATION OF A FULLY INTEGRATED AUTOMATICALLY SWITCHED SYSTEM CONTINUES, THERE SHOULD BE A PROGRESSIVE REDUCTION IN THE NUMBER OF EXISTING DEDICATED NETWORKS AND BACK-UP SYSTEMS. AT APPROPRIATE STAGES THE SERVICE PROVIDED BY THESE DEDICATED NETWORKS SHOULD BE INCREASINGLY PROVIDED WITHIN THE SWITCHED NETWORK. IT IS RECOGNISED THAT THE DECISION TO INTEGRATE EXISTING NETWORKS/SYSTEMS WILL BE INFLUENCED BY THE OPERATIONAL RELIABILITY OF THE NICS.

INTERFACE IDENTIFICATION

11. AT SOME POINTS, THE NICS WILL BE REQUIRED TO INTERFACE WITH OTHER NATO AND NATIONAL COMMUNICATIONS SYSTEMS. IN THESE CONFIDENTIAL

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CIRCUMSTANCES IT WILL BE NECESSARY TO PROVIDE FOR INTERFACES. THE COMPLEXITY AND SCALE OF SUCH INTERFACES WILL VARY AND THEY WILL NEED TO BE IDENTIFIED AND EXAMINED ON A CASE-BY-CASE BASIS.

#### DEMARCATON OF RESPONSIBILITIES

12. AS A CONSEQUENCE OF THE ABOVE THE FOLLOWING AMPLIFICATION OF RESPONSIBILITIES IS GIVEN IN THE FIELDS OF PLANNING, PROCUREMENT AND INSTALLATION, AND MANAGEMENT, OPERATIONS AND MAINTENANCE: -

##### (A) SYSTEM PLANNING AND DESIGN

NICSMA WILL BE RESPONSIBLE FOR NICS PLANNING AND, IN KEEPING WITH THE INTENT OF THE NICS, THIS PLANNING WILL BE BASED ON AN END-TO-END SERVICE CONCEPT. THE PLANNING WILL BE PREPARED IN CONSONANCE WITH APPROVED POLICY AND VALIDATED COMMUNICATION REQUIREMENTS. NICS PLANNING MUST ALSO THUS CONSIDER ALL EQUIPMENT WHICH WILL BE CONNECTED TO THE NICS. NICSMA AS THE SYSTEM DESIGN AUTHORITY WILL ESTABLISH AND APPROVE THE DESIGN PARAMETERS AND THE SPECIFICATIONS OF SUCH EQUIPMENT IN ORDER TO ENSURE OVERALL SYSTEM INTEGRITY;

##### (B) PROCUREMENT

NICSMA WILL PROVIDE CENTRAL PROCUREMENT OF ALL ITEMS LISTED IN PARAGRAPH 6 ABOVE AND OF THE ITEMS IN PARAGRAPH 8 ABOVE WHERE AGREED. HOWEVER REGARDLESS OF THE PROCUREMENT METHOD ADOPTED, ALL TERMINAL EQUIPMENT MUST CONFORM WITH NICS TECHNICAL STANDARDS OF PERFORMANCE WHEN IT IS TO BE CONNECTED TO THE NICS;

##### (C) INSTALLATION

NICSMA SHALL BE RESPONSIBLE FOR PREPARING THE OVERALL SYSTEM INSTALLATION PROGRAMME(S) AND FOR THE PROVISION OF THE NECESSARY INSTALLATION OF ALL NICSMA-PROCURED FACILITIES - INCLUDING TERMINAL FACILITIES; INSTALLATION WILL HOWEVER BE ARRANGED BY NICSMA AND THE USERS ON A CASE-BY-CASE BASIS IN ORDER TO MAKE THE MAXIMUM USE OF EXISTING USER COMMUNICATIONS SUPPORT ORGANIZATIONS;

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##### (D) MANAGEMENT, OPERATION AND MAINTENANCE

MO&M OF THE NICS WILL BE EFFECTED IN ACCORDANCE WITH THE TERMS OF DPC/D(74)25.

END QUOTE.

3. JOINT C-E WORKING GROUP WILL CONSIDER REF AT ITS MEETING  
ON FRIDAY JAN 31, 1975. MISSION RECOMMENDS THAT US SEEK  
WORDING TO MINIMIZE SCOPE OF FACILITIES EXCLUDED FROM NICS.  
IN PARTICULAR, PARAGRAPHS 8(C), (E), AND (F) SHOULD BE  
TIGHTENED TO PRECLUDE MNCS FROM DEVELOPING FACILITIES  
DUPLICATIVE OF NICS. REQUEST CONCURRENCE IN THIS APPROACH.  
GUIDANCE REQUIRED PRIOR TO 31 JANUARY. BRUCE

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<< END OF DOCUMENT >>

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